

# Stay Connected

Colorado  
State  
University

LIBRARIES

A NEWSLETTER FOR LIBRARY FRIENDS AND SUPPORTERS

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# FROM THE DEAN

"*Stay Connected*" is more than a newsletter name; it is what we want to do with you as an interested reader.

In this article, I want to elaborate on the new and improved version of the Morgan Library *Stay Connected* newsletter. We will be highlighting individuals who have written the article, so you will be able to reach out to them and *stay connected*. We are working to provide a wider range of content in the newsletter; this will include shorter, but more stories. The beauty of this, is we get to highlight more of what is happening and changing at the Morgan Library, which we are very excited to be bringing to you. Again, it's an opportunity to stay connected with you, in areas you may find exciting.

The new added bonus of truly staying connected allows us to fill an unlimited amount of space on the Internet. This is where you will be able to find photo galleries, video work, and extended content. As a research university library that encourages the advancement and general use of technology, we are excited to start working with more digital content for this publication. The Internet has evolved drastically over the years, starting out as a defense operation with the U.S. military and transitioning into the information hub that it is today. Because of this, we, at Morgan Library, are always looking for new ways to implement and interact with the digital world. This is just one of many exciting things that we are currently working with.

In this issue, you will find how these new technologies are interacting with our old technologies. This interaction is something that we believe is an integral part of creating a new technologically savvy library, while

still keeping the core beliefs and foundations that have supported us from its inception. We hope that you find the information within *Stay Connected* both exciting in the new technologies we are working with and also nostalgic in the traditional practices that have provided a strong foundation, allowing us and other libraries across the world to evolve into what we currently are. We look forward to sharing this continuing journey into the new technology age with you. We are proud to bring you some of the most advanced ideas and technological advancements that this world has to offer

Patrick Burns  
Vice President for Information Technology  
and Dean of Libraries  
Colorado State University.

# ARCHIVES & PRESERVATION

## *Flooding & the Front Range in 1951*

Flooding is no stranger to the Front Range of Colorado, and Larimer County has seen its share of devastation. We are painfully aware of the Big Thompson Flood of 1976, the Spring Creek Flood of 1997, and, most recently, the 1,000-year flood of September 2013. These are not the only floods that have roared through the region over the years. Floods affecting Colorado State University also occurred in 1902, 1938, 1951, and 1992. While the campus at large experienced considerable destruction in these floods, the library experienced considerable damage in 1938 and 1951, with significant destruction in the flood of 1997.

On Sept. 2 and 3, 1938, six buildings and the Oval were flooded after 4.68 inches of rain fell within a two-day period. The damage exceeded \$10,000 (1938 dollars). The library, then located on the Oval, was covered with five feet of floodwater. Pumps ran to keep the water level from rising. Librarians dried damaged books by placing paper towels between the pages. The damage was not as severe as it could have been; the pumps certainly prevented a larger disaster. In 1951, the campus was inundated again. On



Librarian James Hodgson removing books from the flooded library basement, 1951.

Aug. 3, 6.06 inches of rain fell over the course of 27 hours. Water from the local rainfall, as well as, surplus water from mountain storms, raced for the lowlands. Arthur Ditch, carrying water from the Poudre River, overflowed and flooded the campus. This time the damage exceeded \$270,000 (1951 dollars) and affected seven buildings and the Oval. One of those buildings was the library. Two feet of water covered the basement floor. Pumps ran to prevent rising waters, and books were moved upstairs as rapidly as possible by librarians James Hodgson and Laura Makepeace, assisted by students. The quick response limited the damage to the books.

This was not the case with the flood of 1997. The Spring Creek Flood was a flash flood that resulted from torrential rain that dumped 4 to 6 inches of rain on July 27 and more than 10 inches of rain on the 28. Water flooded the city from the west, and wreaked havoc on the CSU campus, including the Morgan Library. The library foundation and walls collapsed with the surging water, and the basement flooded. Nearly 500,000 books, monographs, and bound journals were damaged or destroyed, and two people narrowly escaped with their lives in the library deluge. In the days after the flood, more than a 100 people packed nearly 70,000 boxes of damaged materials to be shipped to a special freezing facility in Fort Worth, Texas. Salvage and replacement took years, but the library and its holdings were restored and reinforced. Flooding is a natural phenomenon in Fort Collins and the Front Range. Some flooding devastation cannot be prevented, but greater flood awareness, safety procedures, and disaster plans can mitigate the damage. Improvements continue, and the CSU community prevails with our commitment to protect what we hold precious — lives and our University.

Story By: Vicky Lopez-Terrill



Damage books litter the basement floor of the Morgan Library, 1997.

**FLOODS AFFECTING  
COLORADO STATE  
UNIVERSITY  
OCCURRED IN  
1902, 1938,  
1951, 1976, 1992,  
1997, AND 2013**



To stay connected visit,  
[http://lib.colostate.edu/  
archives/](http://lib.colostate.edu/archives/)





To find out more about the Geospatial Centroid visit,  
<http://gis.colostate.edu/>

For assistance in finding or developing topic-specific overlays, contact the Geospatial Centroid at  
[gis@colostate.edu](mailto:gis@colostate.edu).

Sophia Linn, Ecosystem Science and Sustainability Research Associate, shows Pikes Peak on google liquid galaxy.



## NEW TECHNOLOGY

The first reaction to seeing Google Liquid Galaxy in the Morgan Library is usually one of awe, followed by curiosity, followed by delight. Though many people are familiar with the power of Google Earth - a virtual globe that enables the user to "fly" to anywhere on the planet and see images of Earth's surface in remarkable detail - Google Liquid Galaxy takes this visualization a step further by enlarging the display and providing the means for an immersive, more intense, shared experience.

Developed by Google engineers during their "20 percent time", it essentially enables multiple instances of Google Earth to run simultaneously and seamlessly across an array of contiguous displays. At the Morgan Library, the first GLG was built using spare parts - surplus computers and monitors - and resulted in a 10-monitor, desktop version. Currently set up in the main computer lobby of the Library, this GLG display is open to any library patron who wants to sit down and take it for a spin. The controller takes a little getting used to - it functions like a video game controller - but, before long users generally

become adept at flying to their childhood homes or the top of Mount Everest or any other point of interest they choose on earth's surface. Upon seeing the utility, excitement, and potential of this technology, the Library

decided to take it one step further. Instead of having a display that provides an immersive experience to one or two people, why not bump it up a bit to create a wall-scale version so that many people can experience it at once? The recent renovation of the Event Hall provided the perfect venue and opportunity for such a creation. The Library secured new equipment that could take Google Liquid Galaxy to the big screen. Now situated in a space that can comfortably seat up to 100, GLG has been seen and utilized by many classes, and outside groups (including the city of Fort Collins, The Nature Conservancy, and middle school students, among others) to visualize their projects and to learn about places in ways never before possible.

While using GLG for basic visualization of Earth is impressive on its own, value is added by overlaying additional spatially referenced datasets over the background images. That is, with Google Earth imagery as the backdrop, users can choose or create thematic overlays that focus on their topics of interest. While CSU has a number of such overlays available (campus trees, the Cache la Poudre watershed, historic maps), the GIS/Google Earth community continues to create ever more interesting and diverse layers that are available to the public. (See Google Earth Gallery.)

The Event Hall and Google Liquid Galaxy can be reserved by

CSU affiliates as well as off-campus groups.

Story By: Sophia Linn

## WHAT ARE THEY READING



Rolf Christophersen

*Rolf Christophersen has served as a volunteer with the Agricultural and Natural Resources Archive of CSU Libraries for the past five years. Born in California, Christophersen grew up in Saudi Arabia, where his father worked for Aramco. After attending high school in Beirut and at the Army-Navy Academy in Carlsbad, Calif., Christophersen completed a four-year tour of duty with the Navy and later earned a history degree and teaching certificate from Mount Mercy College in Iowa. He and his wife, Clarice, traveled to Japan and Germany to teach in primary and secondary schools for the Department of Defense, and decided to retire in Colorado. Christophersen provided the following review of one of many books he has read during the past year.*

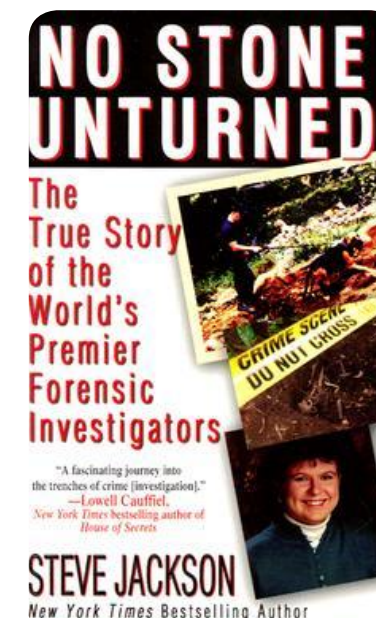
### NO STONE UNTURNED

by Steve Jackson

Kensington Books, NYC 2002

Central and Western Colorado features wide, wild geography and rugged terrain, where hikers and others have fallen victim to either foul play or accidental disappearance. Steve Jackson's nonfiction thriller, *No Stone Unturned*, describes searches for missing persons in the Colorado wilderness by various state and federal agencies in cooperation with NecroSearch International, an informal group of Colorado-based forensic investigators.

Two cases came to prominence at the time of the establishment of this group of scientists, naturalists, and other interested parties who united to help local law enforcement find these individuals. The services of NecroSearch are now in demand nationally, but the team meets and discusses each request on its merits, not sensationalism. NecroSearch does not lead investigations, but offers support in the search based on the members' knowledge of earth science, physics, archeology, anthropology, and other sciences using scientific methods.



Prominent scientists from Colorado State University, the University of Colorado Boulder, and the Colorado School of Mines; members of police departments; and ordinary Colorado citizens with unique skills have belonged to this informal organization. Their expertise is unparalleled, and their approach is based partly on their idea of how successful their contribution might be. Some call them the Pig People. Find out why by reading this fact-filled book, which details a few of their triumphs.

Story By: Rolf Christophersen



Christophersen, (Second from the right.) as a young Boy Scout in Saudi Arabia.



For more information on the author series, lecture series, and Library happenings, visit

<https://lib.colostate.edu/about/news/>



# A

## CCOMPLISHMENTS & EVENTS

Dr. David Schorr,  
speaks on  
"Colorado's  
Appropriation  
Doctrine: Forged as a  
Tool to Spread Water  
Rights Among the  
Citizens?" at Water  
Tables 2014.



Alan Barkley, Patty Rettig and Clarissa Trapp at  
Water Tables 2014



To stay up to date on all the latest  
archive news or to join the mailing  
list, visit

<http://lib.colostate.edu/archives/water/>

The Colorado water community showed its support for the Water Resources Archive at Colorado State University by making Water Tables 2014 another successful fundraiser. Approximately \$30,000 was raised at the Jan. 30 event to benefit the Water Resources Archive.

Held in Denver instead of Fort Collins for the first time, Water Tables 2014 included a reception with archival displays, a formal dinner, a keynote speaker, and discussion over dessert. The archive partnered with the Colorado Water Congress during the Thursday evening of its annual conference.

The Water Tables keynote speaker, Dr. David Schorr from Tel Aviv University in Israel, spoke on the topic "Colorado's Appropriation Doctrine: Forged as a Tool to Spread Water Rights Among the Citizens?" Schorr delved into the origins of Colorado's prior appropriation law, which derived from mining law as a deliberate

departure from riparian law. Schorr also discussed the "tricks" water developers attempted to use to skirt the law and how litigation and legislation deterred that.

Schorr's interest in Colorado water law was sparked when he learned about the famous Coffin v. Left Hand Ditch Company (1882) case during law school at Yale. To retrace the origins of Colorado water law beyond his textbooks, Schorr used documents from the Water Resources Archive – and many other repositories – in writing his dissertation, published in 2012 as a book entitled *The Colorado Doctrine: Water Rights, Corporations, and Distributive Justice on the American Frontier*. Schorr's book demonstrates the value of preserving, protecting, and promoting original documents associated with Colorado's water history. His Water Tables presentation further conveyed his research and insights, enabling the Colorado water community to reflect on the facts and reasons behind the state's water law.

Though nearly 180 guests were expected to attend the event, an evening snowstorm kept some people away. Nonetheless, the

## WATER TABLES 2014

event's sponsors enabled 20 students from Colorado State University, the University of Colorado Boulder, and the University of Wyoming to attend. The Colorado Water Conservation Board generously stepped forward as the premier sponsor among the event's 19 total sponsors.

An additional opportunity to support the Archive arose from the dinner table centerpieces. Handcrafted by a local artist, lifelike sculptures of rainbow trout were available for purchase. A few of these unique sculptures are still available for purchase. Please call (970) 491-5489 for more information.



Water Tables 2014 reception

As Colorado's only archive dedicated to water issues, the Water Resources Archive preserves materials critical for documenting the state's water history. The ever-growing contents of the archive serve as a living repository for the history of public policy, engineering, law, ecology, economics, and the cultural aspects of water use. Funds raised from Water Tables support the archive's efforts to preserve and make available more than 80 collections important to the water heritage of Colorado and the West, including outreach activities, digitization projects, and the work of several student assistants.

The Water Tables steering committee will conduct a survey and assess the results to determine whether to continue the event at the Colorado Water Congress convention in Denver, return to having the event in Fort Collins, or do something completely different. Stay tuned for that information, and plan to join us for Water Tables 2015!

Story By: Patty Rettig



Justice Greg Hobbs at Water Tables 2014

Thanks to all our  
sponsors!

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Tech Center





Ink bleeding



Misshapen text block and swelling



<http://lib.colostate.edu/archives/preservation/drbook>



## SK AN EXPERT

Dear Dr. Book,

*Due to the recent epic flooding in Colorado, I reflect on how families lost so much, including irreplaceable family documents. My home is near a stream and I want to be prepared in the event of flooding or any type of water damage. What do you do with wet paper materials to dry and save them for the future?*  
Concerned Homeowner

Dear Concerned Homeowner,

Questions about salvaging water-damaged materials come up often and are on our minds after the Front Range flooding last September. When dealing with water-damaged materials, time is of the essence. Mold can begin forming within 48-72 hours from the time of the original damage. Drying paper materials is a fairly easy operation, but salvaging materials from mold damage is difficult.

Two procedures are most often used for drying paper materials – air-drying and freeze-drying. If the volumes are only slightly wet, and you have the time and space to spread them out for drying, this is an effective way to go. Air-drying works especially well in the summer when “sun power” can be used. For example, if your books are wet only around the edges, and you have caught the damage almost immediately, they should air-dry within a day or so and thus prevent any further damage. Using fans to increase air circulation speeds up drying. If the volumes are quite wet, it is best to freeze the materials, and then proceed with the most appropriate drying methods. When in doubt, freeze the paper volumes. Freezing does not harm the volume itself and prevents any further damage from occurring. It also gives you time to make an informed decision on the most appropriate option.

When volumes are dirty from floodwaters, they can be cleaned with water; however, paper is very fragile when wet and may tear at the slightest

pressure. Wrap each volume separately in freezer paper, and put them in a freezer. The wrapping technique need not be fancy, but it protects the volume, makes it easier to handle, and prevents color dyes from running from one volume to another. Store materials either flat side down or with the spine down. The faster the volumes are frozen the better, but a home freezer works just fine. One caution: if materials were standing in potentially contaminated or very dirty water, make sure to use gloves and protective clothing.

The materials remaining in the freezer will be fine for as long as they are there, allowing you time to evaluate what to keep or toss and to locate local sources for book-drying and restoration. It is also recommended that you review your current storage arrangements and environment. Refer to Preservation of Family Paper Documents on our website for further information, or write to Dear Dr. Book in care of *Stay Connected*, Colorado State University Libraries, Fort Collins, CO 80523

Story By: Ann Schwalm



Paper folded, wrinkled



## PECIAL COLLECTIONS

This year marks the 18th anniversary of the biennial Colorado International Invitational Poster Exhibition. This event is hosted by Colorado State University's Department of Art, and poster designers from all over the world to showcase their work in the exhibition. The CIPE is the only exhibition of its kind in the United States. Originally organized through CSU's graphic design department in 1979, the show has continuously grown into the premier poster exhibition that it is now. Each year, the CIPE awards the Honor Laureate to one artist with a lifetime record of excelling in the poster medium. This year's honor laureate is Danish artist Gitte Kath. She is not only a graphic designer, but is also currently working as a stage designer. Furthermore, Kath has been the stage designer and stage director at the Teatret Møllen in Haderslev, Denmark, since 1974. She has received numerous awards in both graphic design and stage design throughout the world.

This exhibit brings with it a wealth of knowledge and experience showcased in the traditional poster medium. Second-copy originals for this event have been housed at the Morgan Library since 1991. “A decision was made in 1991 that, since CIPE was such a great show, University Libraries should preserve the original posters and make digital images of them available online as well,” said Patty Rettig, head archivist at the Morgan Library. There are currently more than 2,000 posters within the collections, which can be accessed in a searchable database on the Archives and Special Collections website. The website currently features the seventh thru the 16th CIPE exhibitions, or roughly those exhibitions from 1991-2009. “Morgan Library created the first digital repository of an international poster exhibition,” Rettig says. “We get questions and requests about the posters from all over the world.” Through this database you can explore the

previous years' posters as well as access artist's biographies. The best part of this collection is that the posters have all been digitized, making this art form available for patrons all over the world, while still holding on to the traditions by archiving original posters.

Due to artist agreements the exhibitions from 1991 and 1993 are available only to current CSU users, but those exhibitions from 1995 and later are available for the public.

Story By: Garrett Mynatt & Nick Patenaude



Father and son enjoy the poster show.

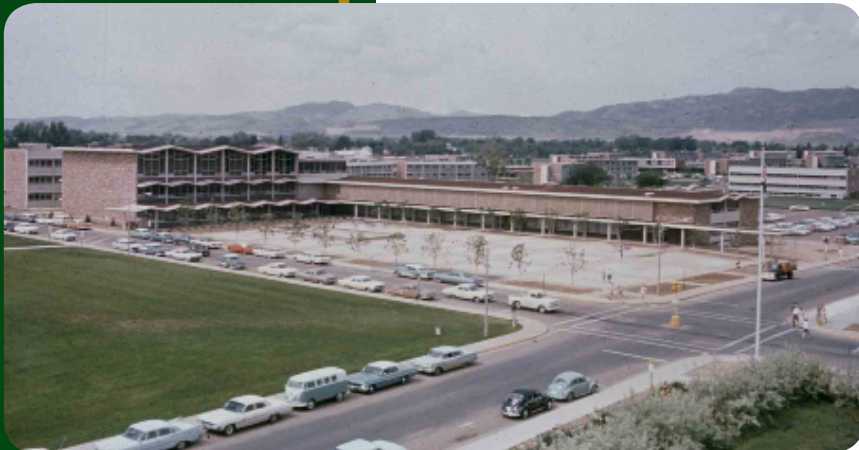


To view all the archived posters visit

<http://lib.colostate.edu/posters/>



# DONOR & SUPPORTER BIO



To find out more about how you can support the library visit the link below!

<http://lib.colostate.edu/develop/>

The Morgan Library in support of Cancer Awareness Week. In association with the American Cancer Society.

Morgan Library was a true nerve center for Colorado State University when I arrived on campus in 1965 as a newly minted assistant professor of history. Since then the campus and the library have grown spectacularly, as we all know. Nevertheless, Morgan Library has constantly retained its vital position as a center for the whole campus. Then, as now, all of the colleges, all of the departments, all of the faculty, and all of the students depended upon library resources and services in one way or another. For those of us in the College of Liberal Arts, Morgan Library was an open window where we could see what was going on in our special fields throughout the world. Half-a-century ago, we who were in liberal arts depended upon the stacks housing books and articles in Morgan or in a remote storage near campus. We could use interlibrary loan to acquire books and articles that CSU did not have. Now, scholars can use wondrous, speedy electronic connections to archives and repositories all over the world. But it is expensive to keep these 21st-century connections operating. Anyone who has visited Morgan Library recently knows how much of the library is devoted to student support. Large

rooms are filled with computers, while other rooms have comfortable furniture, providing a relaxing atmosphere in which to study. There are also designated areas available for group work, plus equipment and space specifically for students with particular needs. These facilities were created or improved during recent sweeping changes. But Morgan Library is always in a state of dynamic change and must remain so in order to keep it at the cutting edge of research and teaching. To fuel this ever-ongoing process, donations from our broad community are needed. We all know that state funding for our land-grant University has declined to a relative trickle. Meanwhile, the cost of state-of-the-art technology has risen dramatically, and so has the cost of journals and some kinds of books. Donors can rest assured that they are contributing directly to the very heart of the University's core values when they write a check for the benefit of Morgan Library.

Story By: Henry Weisser



## Yes, I want to support Colorado State University Libraries!

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